IN THE TITLE

Replace the title located on page 1, line 1 with the following replacement title:

REPLACEMENT TITLE

Bicycle Treadmill Having Automatic Speed and Resistance Adjustments.

IN THE SPECIFICATION

Replace the paragraph starting on page 7, line 13, with the following replacement paragraph.

REPLACEMENT PARAGRAPH

At the end of arm 16 is a tension control assembly 20 out of which protrudes tension element or rope 22 that has a loop 26 at its end. Rope 22 is progressively retractable from assembly 20. Loop 26 is placed about the seat post of the bicycle [15] 17. Tension control assembly 20 measures how far out of assembly 20 rope 22 has been drawn and uses this information to control a power belt rotation assembly 40. Skilled persons will recognize that the combination of tension element 22 and tension control assembly 20, comprises a sensor that measures the forward position of the bicycle 17 when loop 26 is placed about the seat post of bicycle 17. Assembly 40 turns the belt 13 at a speed determined from the rope length's variation in time. A particularly practical speed control law is simply to make belt speed proportional to the extent to which rope 22 has been pulled outwardly from assembly 20. Accordingly, the commanded belt speed is given by the following equation (1):

$$\text{Commanded Belt Speed} = C_1P \qquad (1)$$